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NEWBURGH, NY 12550
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ASBESTOS ABATEMENT GENERAL NOTES

- ALL DRAWINGS ARE A GRAPHIC REPRESENTATION OF APPROXIMATE LOCATIONS OF MATERIALS TO BE ABATED. IF THERE ARE ANY DISCREPANCIES WITH WHAT EXISTS TO WHAT IS INDICATED ON THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL REPORT SAID DISCREPANCIES TO THE ARCHITECT PRIOR TO SUBMITTING A BID. THE INTENT OF THIS PROJECT IS TO COMPLETELY REMOVE ASBESTOS CONTAINING MATERIALS INDICATED AND TO PROVIDE A CLEAN ACM FREE WORK AREA POST ABATEMENT.
- ALL ABATEMENT PROCEDURES TO BE IN ACCORDANCE WITH STANDARDS SET FORTH BY NEW YORK STATE DEPARTMENT OF LABOR INDUSTRIAL CODE RULE S6 AND ALL APPLICABLE REGULATIONS.
- THE CONTRACTOR SHALL PATCH TO MATCH ANY DISTURBED AREAS AND FINISHES AS A RESULT OF THEIR ABATEMENT WORK. ANY DAMAGE SHALL BE REPAIRED TO THE OWNER'S AND ARCHITECT'S SATISFACTION AT NO ADDITIONAL COST TO THE OWNER.
- THE CONTRACTOR SHALL COORDINATE THE LOCATION OF THE ASBESTOS DUMPSTER WITH THE OWNER.
- THE CONTRACTOR MAY APPLY FOR PROJECT SPECIFIC VARIANCES. USE OF SUCH VARIANCES ARE SUBJECT TO APPROVAL BY THE OWNER AND ARCHITECT.
- ALL CHALKBOARDS, TACK BOARDS, DRY ERASE BOARDS, ETC. TO BE REMOVED BY ASBESTOS ABATEMENT.

DEMOLITION GENERAL NOTES

- IT IS THE CONTRACTOR'S RESPONSIBILITY TO FAMILIARIZE THEMSELVES WITH ALL DETAILS INVOLVED IN THE DEMOLITION CONTRACT. SPECIFIC INSTRUCTION ON EACH ITEM WILL NOT BE GIVEN.
- GC IS RESPONSIBLE FOR KEEPING BUILDING WEATHERTIGHT DURING DEMOLITION WORK.
- GC IS TO PROVIDE DUST CONTROL BARRIERS AT ALL AREAS OF CONSTRUCTION.
- GC WILL SALVAGE ANY ITEMS PER OWNERS LIST (BID).
- PC = PLUMBING CONTRACTOR, EC = ELECTRICAL CONTRACTOR, MC = MECHANICAL CONTRACTOR
- PATCH WALLS, FLOORS AND CEILINGS AT ALL WALL REMOVALS, TO MATCH SCHEDULED FINISHES
- WORK AREAS SHALL BE MAINTAINED AND LEFT BROOM CLEANED AT END OF EACH DAY.
- EXISTING BUILDING AND STRUCTURE TO REMAIN EXCEPT AS NOTED.

DEMOLITION KEY NOTES

- (C1) REMOVE EXISTING ACOUSTIC CEILING TILES, GRID, AND SUSPENSION SYSTEM IN ITS ENTIRETY FULL EXTENT OF ROOM. PATCH WALLS AFFECTED BY DEMOLITION.
- (C2) REMOVE EXISTING METAL STUD, GYPSUM WALL BOARD SOFFIT AND ALL ASSOCIATED COMPONENTS IN ITS ENTIRETY.
- (C3) REMOVE EXISTING GYPSUM BOARD CEILING AND ALL ASSOCIATED FRAMING IN ITS ENTIRETY.
- (C4) REMOVE AND SALVAGE 24X24 OR 24X48 ACOUSTIC CEILING TILE. STORE PANELS SAFELY FOR REINSTALLATION IN NEW WORK. REFER TO RCPS. EXISTING GRID AND SUSPENSION SYSTEM TO REMAIN.
- (C5) REMOVE PORTION OF EXISTING CEILING TILES, GRID, AND SUSPENSIONS SYSTEM AT SHADED AREAS INDICATED ON DRAWINGS. SALVAGE EXISTING CEILING TILES FOR REINSTALLATION. PATCH WALLS AFFECTED BY DEMOLITION.
- (D1) REMOVE EXISTING HOLLOW METAL DOOR, FRAME, AND ALL ASSOCIATED HARDWARE IN ITS ENTIRETY.
- (F1) REMOVE EXISTING VCT FLOORING, RUBBER BASE, AND ALL ASSOCIATED TRIM IN ITS ENTIRETY FULL EXTENT OF ROOM. PREPARE SUBSTRATE FOR INSTALLATION OF NEW FINISHES.
- (F2) REMOVE EXISTING CONCRETE RAMP, RAILING, AND ALL ASSOCIATED MOUNTING HARDWARE IN ITS ENTIRETY.
- (F3) REMOVE EXISTING CONCRETE STAIR, RAILING, AND ALL ASSOCIATED MOUNTING HARDWARE IN ITS ENTIRETY.
- (F4) REMOVE EXISTING 4" THICK CONCRETE SLAB, FINISHES, AND ALL ASSOCIATED TRIM IN ITS ENTIRETY. EXCAVATE DOWN TO REQUIRED ELEVATION FOR NEW WORK.
- (F5) REMOVE EXISTING SAFETY PADDING. PREPARE SUBSTRATE FOR NEW FINISHES.
- (F6) REMOVE DAMAGED STAIR TREAD.
- (F7) SAW CUT AND REMOVE PORTION OF EXISTING SLAB ON GRADE AND EXCAVATE AS REQUIRED FOR NEW WORK. COORDINATE WORK WITH ALL TRADES.
- (F8) REMOVE EXISTING QUARRY TIL AND MUDSET TO EXTENT SHOWN IN SHADED AREA.
- (F9) REMOVE EXISTING RUBBER BASE. PREPARE SURFACE FOR INSTALLATION OF NEW FINISHES.
- (F10) REMOVE RUBBER STAIR TREAD/RISER AND ALL ASSOCIATED TRIM. PREPARE SUBSTRATE FOR NEW FINISHES.
- (F11) SAW CUT AND REMOVE EXISTING FLOOR SLAB. PROVIDE OPENING SUPPORT PER STRUCTURAL DWGS.
- (M1) REMOVE EXISTING GYPSUM COLUMN WRAP AND ALL ASSOCIATED COMPONENTS. PREPARE FOR NEW FINISHES
- (M2) MC TO REMOVE EXISTING UNIT VENTILATORS, GC TO PATCH INTAKE OPENING AND FINISHES @ WALL/FLOOR PER DETAIL ON A801.
- (M3) REMOVE EXISTING RAILING.
- (M4) REMOVE EXISTING BALLASTED ROOF SYSTEM DOWN TO DECKING. REMOVE EXISTING FLASHING AS NECESSARY FOR INSTALLATION OF NEW ROOF SYSTEM.
- (M5) PC TO REMOVE EXISTING DRINKING FOUNTAIN. PATCH WALL AFFECTED BY DEMOLITION.
- (M6) REMOVE PAPER TOWEL DISPENSER AND TURN OVER TO OWNER.
- (M7) REMOVE AND SALVAGE FOR RE-INSTALLATION EXISTING STEEL WORK SURFACE.
- (M8) REMOVE AND REINSTALL STAINLESS STEEL TRAY SURFACE AS NECESSARY FOR DEMOLITION.
- (M9) REMOVE FLOOR MOUNTED SLEEVES. PATCH HOLE IN CONCRETE FLOOR.
- (M10) MC TO REMOVE EXISTING UNIT VENTILATORS, GC TO MODIFY CASEWORK AS NEEDED TO FACILITATE INSTALLATION OF NEW UNIT.
- (R1) REMOVE EXISTING EPDM ROOF MEMBRANE, COVER BOARD, ROOF INSULATION, AND SUBSTRATE BOARD REQUIRED TO INSTALL NEW ROOF CURB. COORDINATE ROOF DECK REMOVAL WITH STRUCTURAL DRAWINGS. COORDINATE INSTALLATION OF ROOF CURBS WITH MECHANICAL CONTRACTOR.
- (S1) REMOVE EXISTING COLUMN. REFER TO STRUCTURAL DWGS.
- (W1) REMOVE PORTION OF EXISTING CMU WALL PER DETAIL ON A401. SUPPORT REMAINING EXISTING WALL AS REQUIRED. PREPARE AREA FOR NEW WORK.
- (W2) REMOVE PORTION OF EXISTING WALL AS REQUIRED. PREPARE AREA FOR NEW WORK
- (W3) REMOVE EXISTING ALUMINUM STOREFRONT SYSTEM AND ALL RELATED MOUNTING HARDWARE.
- (W4) REMOVE EXISTING 6" CMU WALL IN ITS ENTIRETY. PATCH AND PREP. FOR NEW WORK.
- (W5) REMOVE EXISTING CHASE WALL IN ITS ENTIRETY. PATCH ALL ADJACENT SURFACES AFFECTED BY DEMOLITION.
- (W6) REMOVE PORTION OF EXISTING 8" CMU WALL. PREPARE ADJACENT SURFACES FOR NEW WORK.

PROJECT INFORMATION

Project Number
13940.18
Client Name
NEWBURGH ENLARGED CITY SCHOOL DISTRICT
Project Name
PHASE 3: HERITAGE MIDDLE SCHOOL 2019 CAPITAL IMPROVEMENT PROJECT

Project Address
405 Union Avenue, New Windsor, NY 12553

SD Number
44-16-00-01-0-039-011

PROJECT ISSUE SCHEDULE

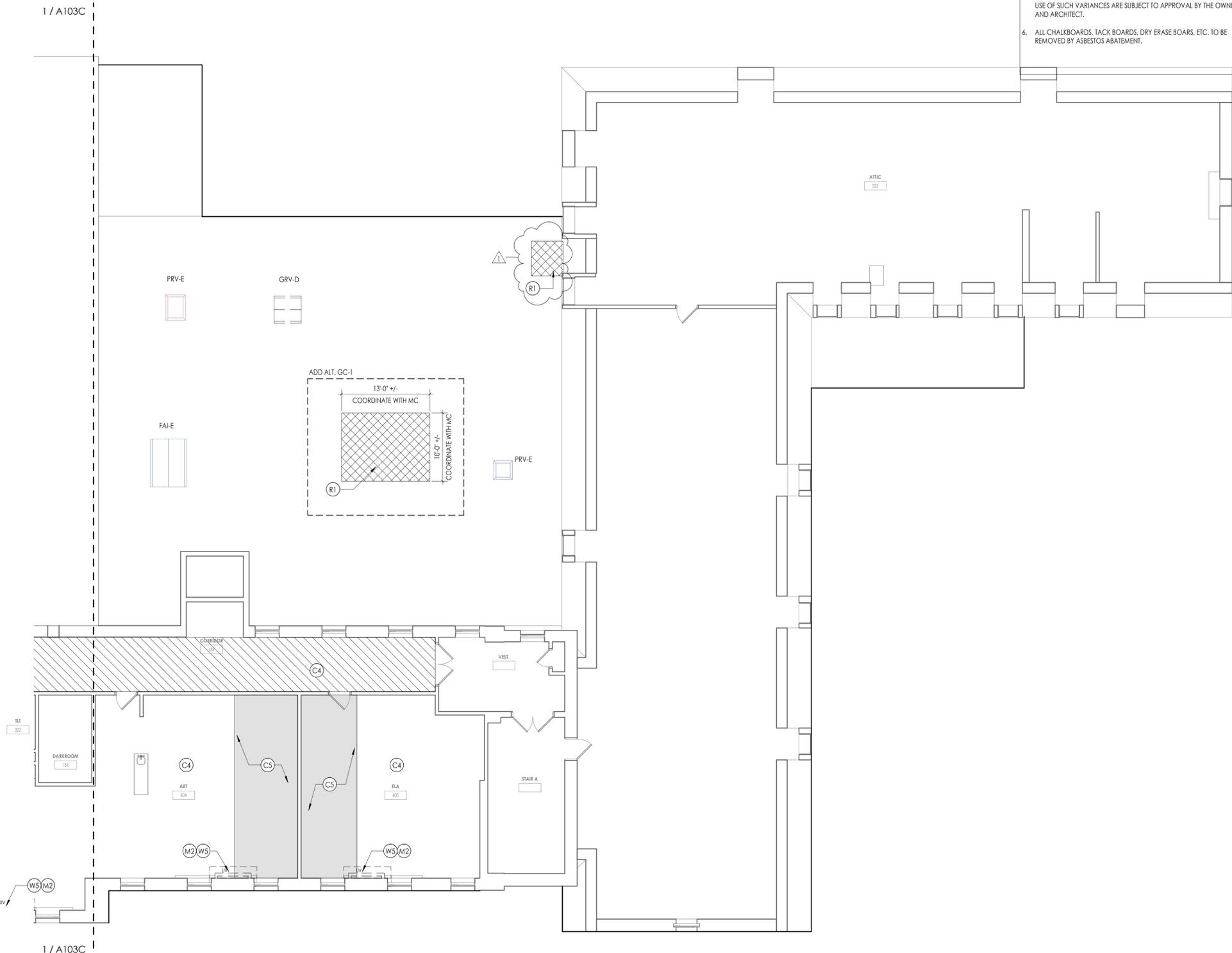
No.	Date	Description
1	09/27/21	BID ADDENDA 2

IT IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND THE COMMISSIONER'S REGULATIONS FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT, ENGINEER OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY IF AN ITEM BEARING THE SEAL OF AN ARCHITECT, ENGINEER OR SURVEYOR IS ALTERED. THE ALTERING PARTY SHALL AFFIX TO THE ITEM THEIR SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

SHEET INFORMATION

Issued
9/9/2021
Scale
As indicated
Project Status
CONSTRUCTION DOCUMENTS
Drawn By
Checked By
CPL
Drawing Title
THIRD FLOOR AREA D - DEMOLITION PLAN

Drawing Number
HMS
A103D



1
A103D
1/8" = 1'-0"

KEYPLAN AREA D
NTS



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ROOF PLAN GENERAL NOTES

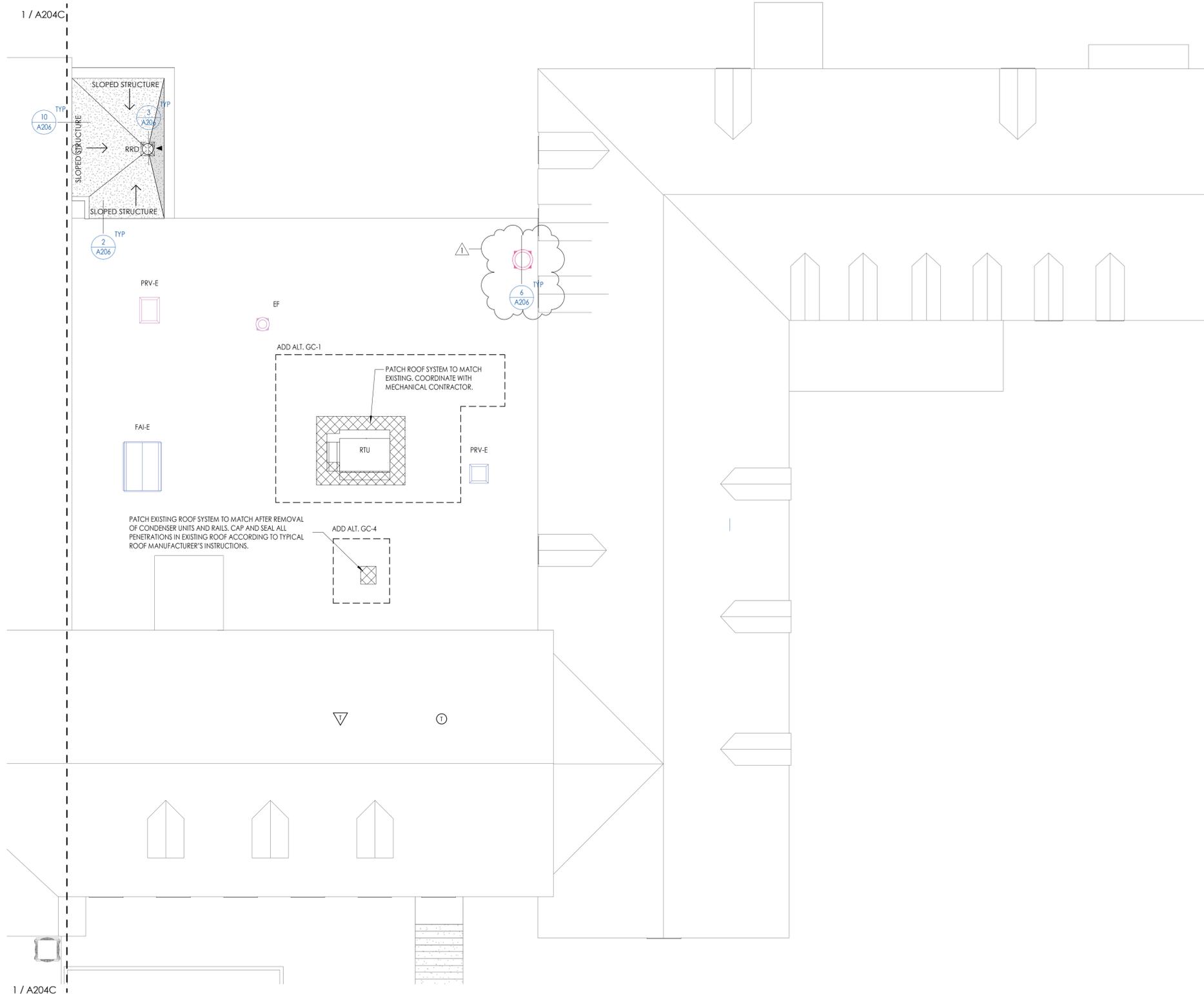
1. ALL DRAWINGS ARE GRAPHIC REPRESENTATIONS OF APPROXIMATE LOCATIONS OF MATERIALS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL CONDITIONS PRIOR TO THE COMMENCEMENT OF WORK.
2. REFER TO ALL DRAWINGS IN THE SET FOR LOCATIONS OF ALL ROOF PENETRATIONS. PROVIDE FRAMING AS REQUIRED.
3. CONTRACTOR SHALL PAINT ALL ROOF FASTENERS EXPOSED TO VIEW AT UNDERSIDE OF DECK TO MATCH.
4. WORK AREAS SHALL BE MAINTAINED AND ALL WORK AREAS SHALL BE BROOM CLEAN AT THE END OF EACH DAY.
5. ALL WOOD BLOCKING USED SHALL BE PRESSURE TREATED.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING ALL ROOF DRAINS AND CUTTING THE HOLES IN THE DECK FOR ANY DRAINS AND PROVIDING STRUCTURAL SUPPORTS.
7. THE ROOF ELEVATIONS SHOWN ON THE PLAN ARE SHOWN TO ESTABLISH RELATIVE HEIGHTS OF THE INDIVIDUAL ROOFS.
8. NO WEEP HOLES SHALL BE COVERED OR PLUGGED AS A RESULT OF THE ROOFING WORK, UNLESS OTHERWISE DIRECTED.
9. THE CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN WATER TIGHTNESS AND PROVIDE PROTECTION AT ANY/ALL OPENINGS IN THE ROOF LEFT AT THE END OF EACH DAY.
10. PROVIDE CRICKETS FOR WATER DIVERSION AT ALL CURBS, RAILS, ETC. WHICH RUN PERPENDICULAR TO THE SLOPE OF THE INSULATION/SLOPED STRUCTURE.
11. ALL ROOF TOP UNITS SHALL BE MOUNTED ON 1/2" MIN. INSULATED METAL CURBS. PROVIDE TAPERED INSULATION CRICKETS AS REQUIRED TO SHED WATER. WOOD BLOCKING SHALL BE PROVIDED SO CURBS ARE 8" ABOVE FINISHED ROOF SURFACE.
12. THE MINIMUM INSULATION THICKNESS SHALL BE 5.5". SLOPE OF TAPERED INSULATION TO BE A MINIMUM OF 1/4" PER FOOT FOR NEW CONSTRUCTION AND 1/8" PER FOOT OVER EXISTING STRUCTURE.

ROOF PLAN LEGEND

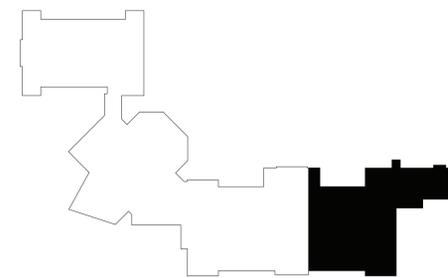
- RD ROOF DRAIN W/ SECONDARY
- H.P. XX" SLOPED INSULATION HIGH POINT (MIN. 5 1/2")
- SLOPED INSULATION ROOF CRICKET. PROVIDE 1/2" / 1'-0" POSITIVE DRAINAGE
- MECH. CURB (W/ CRICKET). PROVIDE FLASHING PER ROOF MANUFACTURER'S DETAILS
- 1/4" / 1'-0" ROOF SLOPE
- 2'-0" x 2'-0" ROOF MEMBRANE WALKWAY SYSTEM
- NEW EPDM ROOF SYSTEM AS SPECIFIED

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No. Date Description
1 09/27/21 BID ADDENDA 2



1 ROOF PLAN AREA D
A204D 1/8" = 1'-0"



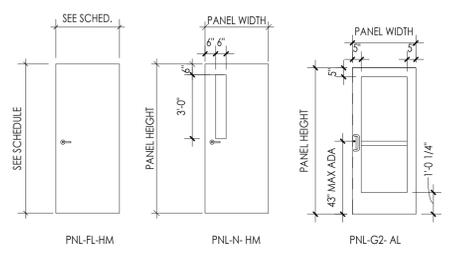
KEYPLAN AREA D
NTS

SHEET INFORMATION

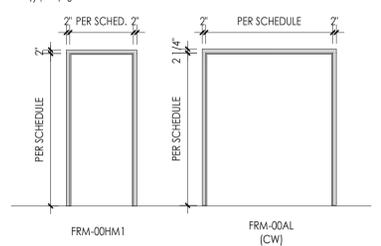
Issued
9/9/2021 Scale
As indicated
Project Status
CONSTRUCTION DOCUMENTS
Drawn By
CPL Checked By
CPL
Drawing Title
ROOF PLAN AREA D

Drawing Number
HMS A204D

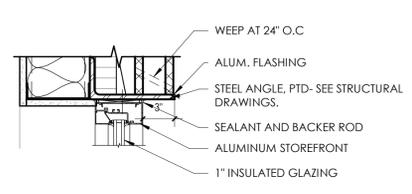
DOOR SCHEDULE.																			
DOOR NUMBER	FIRE RATING (MIN)	DOOR PANELS DOOR TYPE	FRAME PANELS OPENING WIDTH	FRAME PANELS OPENING HEIGHT	DOOR PANELS			DOOR FRAME			DOOR FRAME				DOOR GLAZING TYPE	COMMENTS			
					THICKNESS	UNDERCUT	FINISH 1	TYPE	JAMB WIDTH	HEAD HEIGHT	DEPTH	FINISH 1	HEAD	JAMB			SILL	HW SET	
50-1	90	PNL-FL-HM	3'-0"	7'-0"	0'-1 3/4"	0'-0 3/4"	PTD	FRM-00HM1	0'-2"	0'-2"	0'-5 7/8"	PTD	6	3	1	SEE SPEC.			
44B-1	-	PNL-FL-HM	3'-0"	7'-2"	0'-1 3/4"	0'-0 3/4"	PTD	FRM-00HM1	0'-2"	0'-2"	0'-7 5/8"	PTD	5	2	1	SEE SPEC.			
44B-2	-	PNL-N-HM	3'-0"	7'-2"	0'-1 3/4"	0'-0 3/4"	PTD	FRM-00HM1	0'-2"	0'-2"	0'-7 5/8"	PTD	5	2	1	SEE SPEC.	G2		
44BA-1	-	PNL-G2-AL	6'-0"	7'-0"	0'-2"	0'-0 3/4"	Clear Anodize	FRM-00AL[CW]	0'-2"	0'-2"	0'-4 1/2"	Clear Anodize	9	8 & 4	7	SEE SPEC.	G1		
44BA-2	-	PNL-G2-AL	6'-0"	7'-0"	0'-2"	0'-0 3/4"	Clear Anodize	FRM-00AL[CW]	0'-2"	0'-2"	0'-4 1/2"	Clear Anodize	9	8 & 4	7	SEE SPEC.	G1		



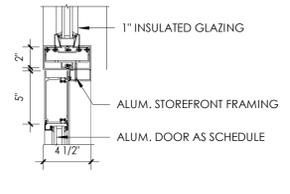
DOOR TYPES
1/4" = 1'-0"



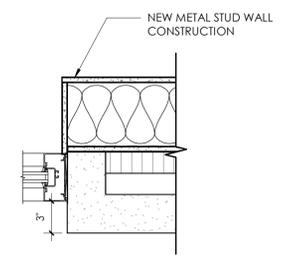
DOOR FRAME TYPES
1/4" = 1'-0"



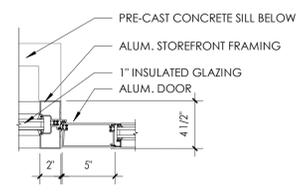
12. STOREFRONT WINDOW HEAD DETAIL
A900 1 1/2" = 1'-0"



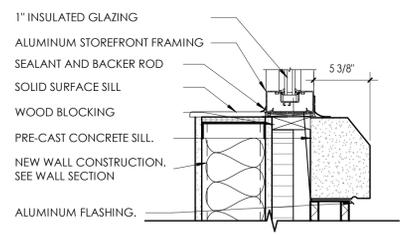
9. ALUM. DOOR HEAD
A900 1 1/2" = 1'-0"



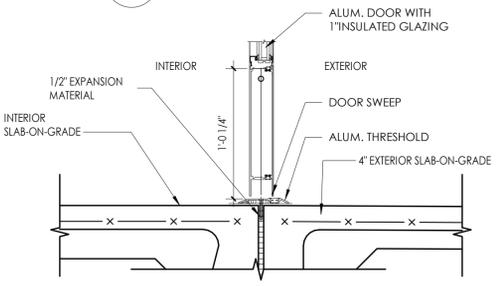
11. STOREFRONT WINDOW JAMB DETAIL
A900 1 1/2" = 1'-0"



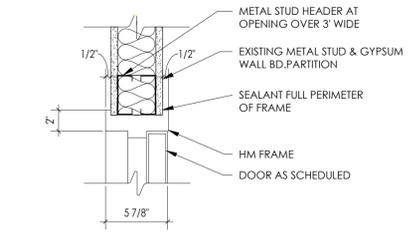
8. ALUM. DOOR JAMB DETAIL
A900 1 1/2" = 1'-0"



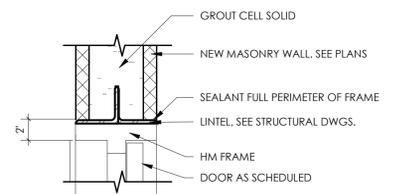
10. STOREFRONT WINDOW SILL DETAIL
A900 1 1/2" = 1'-0"



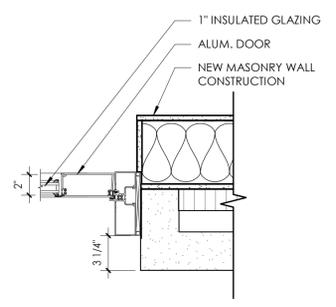
7. ALUM. DOOR SILL DETAIL
A900 1 1/2" = 1'-0"



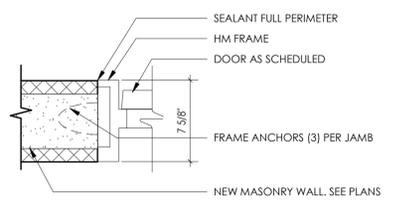
6. HEAD DETAIL
A900 1 1/2" = 1'-0"



5. HEAD DETAIL CMU
A900 1 1/2" = 1'-0"



4. ALUM. DOOR JAMB DETAIL AT CMU WALL
A900 1 1/2" = 1'-0"



3. JAMB DETAIL
A900 1 1/2" = 1'-0"

2. JAMB DETAIL CMU
A900 1 1/2" = 1'-0"

1. TYP. SILL DETAIL
A900 1 1/2" = 1'-0"

DOOR AND FRAME NOTES

- REFER TO A900S FOR DOOR & FRAME SCHEDULE
- ALL FRAMES ARE TO RECEIVE FULL PERIMETER SEALANT, INTERIOR AND EXTERIOR
- ALL DOOR AND WINDOW DIMENSIONS ARE TO BE VERIFIED IN FIELD PRIOR TO FABRICATION
- SEE SCHEDULE FOR DOOR & FRAME MATERIAL

WINDOW GENERAL NOTES

- COORDINATE ALL FRAME SIZES, TRIM EXTRUSIONS AND SILLS WITH WALL SECTIONS AND DETAILS
- ALL FRAMES ARE TO RECEIVE FULL PERIMETER SEALANT, INTERIOR AND EXTERIOR
- ALL DOOR AND WINDOW DIMENSIONS ARE TO BE VERIFIED IN FIELD PRIOR TO FABRICATION
- REFER TO DIMENSION PLANS AND WALL SECTIONS FOR MULLION LAYOUT DIMENSIONS.
- REFER TO EXTERIOR ELEVATIONS FOR GLASS, SPANDREL AND METAL PANEL LOCATIONS.
- SYSTEM TYPE DESIGNATIONS ARE:
 - AC - APPLIED MULLION CURTAIN WALL WINDOW SYSTEM
 - AW - INTERIOR ALUMINUM WINDOW SYSTEM
 - CW - CURTAIN WALL WINDOW SYSTEM
 - HM - HOLLOW METAL WINDOW SYSTEM
 - RA - RATED ALUMINUM WINDOW SYSTEM
 - SS - STAINLESS STEEL FRAMELESS GLASS WINDOW SYSTEM
 - SF - STOREFRONT WINDOW SYSTEM
- OPENING MARK DESIGNATION PROVIDED FOR COORDINATION OF SHOP DRAWING SUBMITTALS.

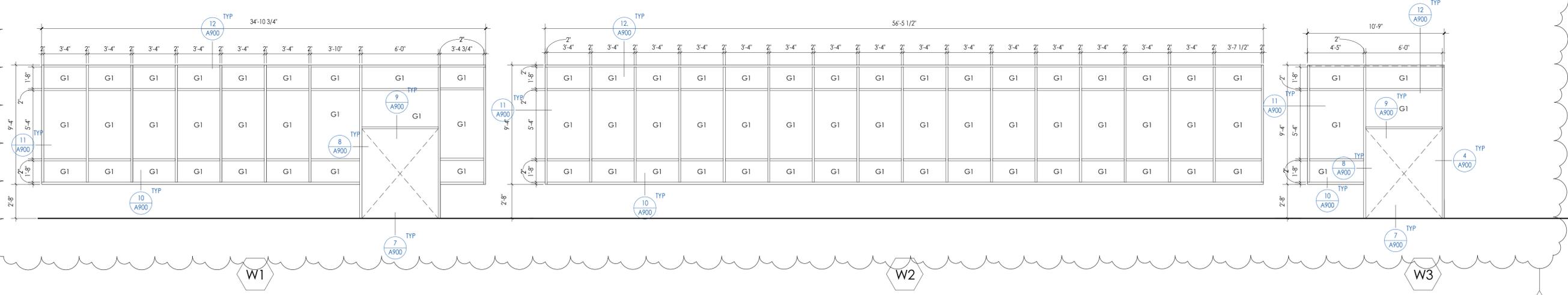
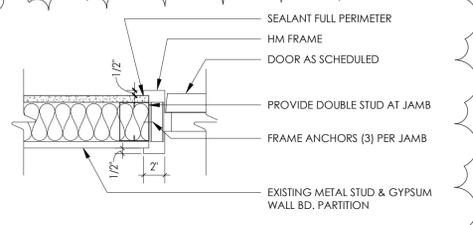
DOOR AND FRAME SCHEDULE LEGEND

NOTE: THIS LEGEND MAY CONTAIN SYMBOLS THAT ARE NOT USED IN THIS PROJECT.

DOOR OR FRAME MATERIAL	DOOR OR FRAME FINISH
ACR ACROVYN DOOR	PTD PAINT
ACR-L ACROVYN LEAD LINED DOOR	PTM PAINT TO MATCH EXISTING
ALUM ALUMINUM	ST WOOD STAIN
HM HOLLOW METAL	DB DARK BRONZE (ANODIZED)
HM-L HOLLOW METAL LEAD LINED	SS STAINLESS STEEL
IHM INSULATED HOLLOW METAL	BE BAKED ENAMEL
WD WOOD	
WD-L WOOD LEAD LINED	

GLAZING TYPES

TYPE MARK	GLAZING DESCRIPTION
G1	1" INSULATED LOW-E GLAZING
G2	MONOLITHIC SAFETY GLAZING



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 Project Address: 405 Union Avenue, New Windsor, NY 12553
 44-16-00-01-0-039-011
 Project Issue Schedule: 09/27/21 BID ADDENDA 2

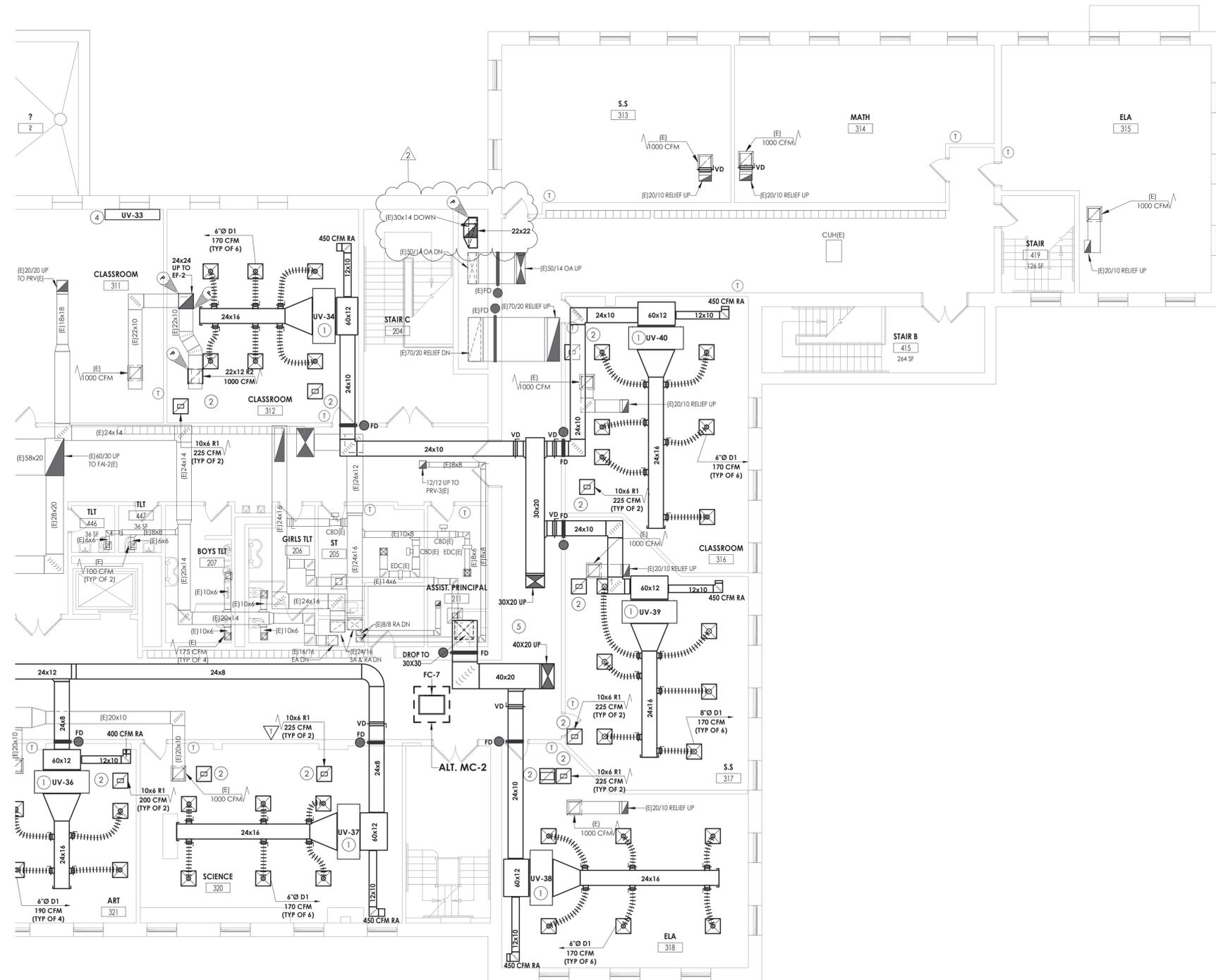
SHEET INFORMATION
 Issued: 9/9/2021
 Project Status: CONSTRUCTION DOCUMENTS
 Drawn By: CPL
 Checked By: CPL
 Drawing Title: DOOR PANELS, FRAME TYPES & SCHEDULES
 Drawing Number: HMS A900



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KEY NOTES

- 1 MOUNT UNIT VENTILATOR ABOVE CEILING. COORDINATE WITH ANY CEILING UTILITIES. MAINTAIN ACCESS FOR FILTER CHANGES. ALL SUPPLY AND RETURN DUCTWORK SHALL BE LINED. EXTEND EXISTING CONTROLS TO NEW UNIT LOCATION.
- 2 PLENUM RETURN.
- 3 DUCTWORK LOCATED IN ATTIC SPACE.
- 4 PROVIDE NEW UNIT VENTILATOR IN EXISTING LOCATION. EXTEND EXISTING UTILITIES TO NEW UNIT. COORDINATE NEW INSTALLATION WITH EXISTING CABINETS.
- 5 REROUTE EXISTING DUCTWORK AS NEEDED TO ACCOMMODATE NEW INSTALLATION.



1 SECOND FLOOR HVAC DUCTWORK PLAN - AREA D
H202D 1/8" = 1'-0"

PROJECT INFORMATION

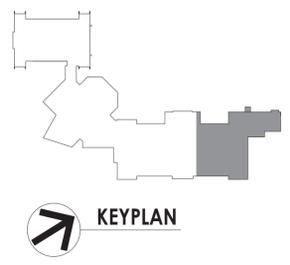
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Issued
09/09/2021
Scale
As indicated
Project Status
CONSTRUCTION DOCUMENTS
Drawn By
NRH
Checked By
JJM
Drawing Title
SECOND FLOOR HVAC DUCTWORK PLAN - AREA D

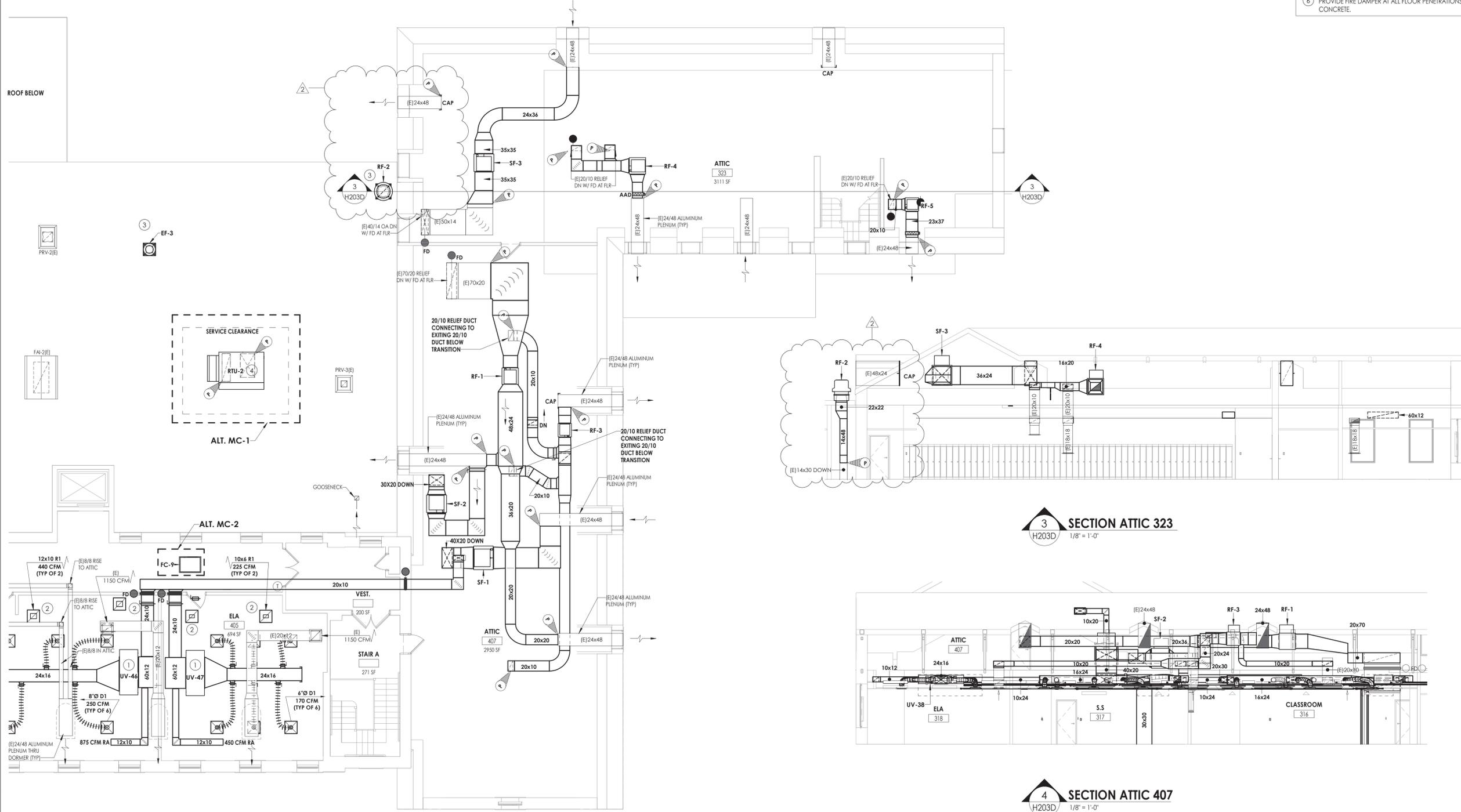
Drawing Number
HMS H202D





KEY NOTES

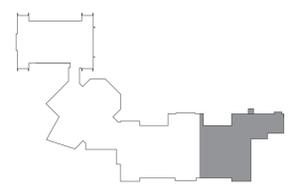
- 1 MOUNT UNIT VENTILATOR ABOVE CEILING. COORDINATE WITH ANY CEILING UTILITIES. MAINTAIN ACCESS FOR FILTER CHANGES. ALL SUPPLY AND RETURN DUCTWORK SHALL BE LINED, EXTEND EXISTING CONTROLS TO NEW UNIT LOCATION.
- 2 PLENUM RETURN.
- 3 EXHAUST FANS SHALL BE PROVIDED WITH NEW CURB. CONNECT TO EXISTING DUCT RISERS.
- 4 ROOFTOP UNIT SHALL BE PROVIDED WITH A NEW CURB. CONNECT TO EXISTING DUCT RISER.
- 5 UNIT VENTILATORS SHALL BE INSTALLED IN ATTIC SPACE. EACH DROP THROUGH CONCRETE FLOOR SHALL BE PROVIDED WITH NEW FIRE DAMPER.
- 6 PROVIDE FIRE DAMPER AT ALL FLOOR PENETRATIONS. ATTIC FLOOR IS CONCRETE.



1 THIRD FLOOR HVAC DUCTWORK PLAN - AREA D
 H203D 1/8" = 1'-0"

3 SECTION ATTIC 323
 H203D 1/8" = 1'-0"

4 SECTION ATTIC 407
 H203D 1/8" = 1'-0"



KEYPLAN

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SHEET INFORMATION

Issued
09/09/2021
 Scale
As indicated
 Project Status
CONSTRUCTION DOCUMENTS
 Drawn By
NRH
 Checked By
JJM
 Drawing Title
THIRD FLOOR HVAC DUCTWORK PLAN - AREA D
 Drawing Number
HMS H203D



ROOF TOP ENERGY RECOVERY UNIT table with columns: MARK, LOCATION, AREA SERVED, SA (CFM), EA (CFM), RA (CFM), COOLING COIL, SUPPLY FAN, EXHAUST FAN, TOTAL MBH SAVED SUMMER, TOTAL MBH SAVED WINTER, OPERATING WEIGHT (LBS), FILTERS, ELECTRICAL REQUIREMENTS, TYPICAL UNIT MFG & MODEL NO., REMARKS.

AIR SEPARATOR SCHEDULE table with columns: MARK, LOCATION, SERVED, GPM, WEIGHT (LBS), DIA. (IN.), LNG. (IN.), STRAINER SQ. IN. FA, TYPICAL UNIT MFG & MODEL NO., REMARKS.

AIR HANDLING UNIT SCHEDULE table with columns: MARK, ROOM SERVED, CFM, MIN. OA CFM, EXT. SP. W.C., COOLING MBH, HOT WATER HEATING COIL DATA, SUPPLY FAN MOTOR DATA, TYPICAL UNIT MFG & MODEL NO., REMARKS.

PUMP SCHEDULE table with columns: MARK, LOCATION, SERVICE, GPM, HD (FT.), HP, ELECTRICAL DATA, TYPICAL UNIT MFG & MODEL NO., REMARKS.

VRF FAN COIL UNITS table with columns: MARK, TOTAL AIRFLOW CFM, NOM. HEATING CAPACITY BTU/HR, NOM. COOLING CAPACITY BTU/HR, WEIGHT (LBS), POWER (ØV/Hz), AMPS, TYPICAL UNIT MFG & MODEL NO., REMARKS.

HOT WATER COIL SCHEDULE table with columns: MARK, SERVICE, AIR DATA, WATER DATA, MFG SIZE HXL (IN.), ROWS, TYPICAL UNIT MFG & MODEL NO., REMARKS.

REGISTERS, GRILLES, AND DIFFUSERS table with columns: MARK, APPLICATION, MATERIAL, TYPE, FINISH, DESIGN EQUIP., REMARKS.

FAN SCHEDULE table with columns: MARK, LOCATION, SERVICE, TYPE, CFM, SP. IN W.G., RPM, HP, ELECTRICAL DATA, TYPICAL UNIT MFG & MODEL NO., REMARKS.

EXPANSION TANK SCHEDULE table with columns: MARK, LOCATION, SERVED, ACCEPT. GAL., DIA. (IN.), HEIGHT (IN.), WEIGHT FULL (LBS.), TYPICAL UNIT MFG & MODEL NO., REMARKS.

FIN TUBE SCHEDULE table with columns: MARK, BTU/FT., GPM, TUBE SIZE (IN.), FINS / FT., EWT (°F), EAT (°F), ENCLOSURE, STYLE, TYPICAL UNIT MFG & MODEL NO., REMARKS.

CHILLER SCHEDULE table with columns: MARK, NOMINAL CAPACITY (TONS), % PROP GLYCOL, FLOW (GPM), DELTA P (FT), IPLV, EWT (°F), LWT (°F), REFRIGERANT, ELECTRICAL DATA, WEIGHT (LBS), TYPICAL UNIT MFG & MODEL NO., REMARKS.

FAN COIL UNIT SCHEDULE table with columns: MARK, TYPE, LOCATION, MAX CFM, COOLING, HEATING, ELECTRICAL DATA, TYPICAL UNIT MFG & MODEL NO., REMARKS.

AIR COOLED CONDENSER UNIT SCHEDULE table with columns: MARK, LOCATION, SERVES, NOMINAL TONS, ELECTRICAL DATA, OPERATING WEIGHT (LBS.), TYPICAL UNIT MFG & MODEL NO., REMARKS.

PROJECT INFORMATION
Project Number: 13940.18
Client Name: NEWBURGH ENLARGED CITY SCHOOL DISTRICT
Project Name: PHASE 3: HERITAGE MIDDLE SCHOOL 2019 CAPITAL IMPROVEMENT PROJECT
Project Address: 405 Union Avenue, New Windsor, NY 12553
SIS Number: 44-16-00-01-0-039-011

PROJECT ISSUE SCHEDULE
No. Date Description
1 9/17/21 BID ADDENDUM #1
2 9/23/21 BID ADDENDUM #2

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SHEET INFORMATION
Issued: 09/09/2021 Scale: 1" = 1'-0"
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Drawn By: NRH Checked By: JJM
Drawing Title: HVAC SCHEDULES



PROJECT INFORMATION

Project Number
13940.18
Client Name
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Project Name
PHASE 3: HERITAGE MIDDLE SCHOOL 2019 CAPITAL IMPROVEMENT PROJECT
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405 Union Avenue, New Windsor, NY 12553
S/D Number

PROJECT ISSUE SCHEDULE

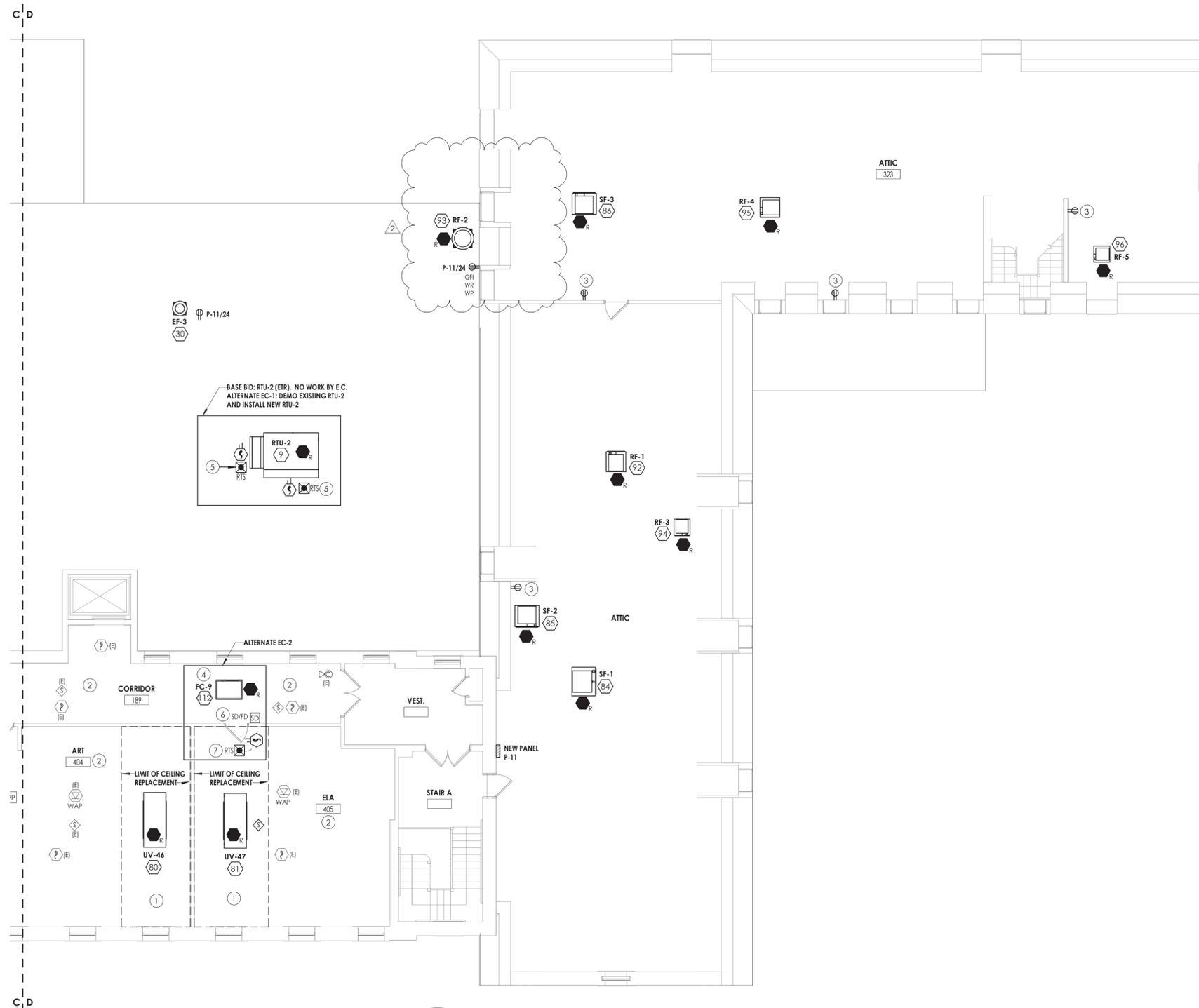
No.	Date	Description
2	9/23/21	BID ADDENDUM #2

GENERAL NOTES:

- FIXTURES, DEVICES, AND EQUIPMENT LABELED AS "(E)" ARE EXISTING AND ARE SHOWN FOR REFERENCE ONLY. ALL OF THESE DEVICES SHALL REMAIN OPERATIONAL FOLLOWING CONSTRUCTION.
- EQUIPMENT DESIGNATED WITH A NUMBER INSIDE OF A HEXAGON ARE SCHEDULED ON DRAWING E900. REFER TO EQUIPMENT WIRING SCHEDULE FOR BREAKER AND CIRCUITING INFORMATION.
- DISCONNECT SWITCHES AND STARTER DEVICES ASSOCIATED WITH HVAC EQUIPMENT SHALL BE FURNISHED AND INSTALLED BY THE MECHANICAL CONTRACTOR, AND WIRED BY THE ELECTRICAL CONTRACTOR. INCLUDE AN ADDITIONAL 10' OF CIRCUITING IN PRICING FOR INSTANCES WHERE A DISCONNECT MAY NOT BE MOUNTED DIRECTLY ON UNIT. E.C. IS RESPONSIBLE TO WIRE BOTH LINE AND LOAD SIDES OF DISCONNECT.
- UPDATE PANELBOARD DIRECTORIES TO REFLECT CHANGES MADE TO CIRCUITS WITH LOAD(S) AND ROOM(S) SERVED. LABEL ANY UNUSED BREAKER AS SPARE AND TURN TO OFF POSITION.
- FIRE ALARM SCOPE OF THIS PROJECT INCLUDES INSTALLING A NEW SIMPLEX 4100ES PANEL TO SERVE NEW AND RENOVATED AREAS WHILE MAINTAINING EXISTING SIMPLEX 4020 PANEL. ALL EXISTING DEVICES REMOVED IN THE DEMOLITION PHASE OF THE PROJECT SHALL BE REMOVED FROM THE SYSTEM PROGRAMMING OF THE 4020 PANEL. NEW INITIATION AND NOTIFICATION DEVICES SHOWN SHALL BE CONNECTED TO AND COMPATIBLE WITH THE NEW SIMPLEX 4100ES FIRE ALARM CONTROL PANEL LOCATED IN CUSTODIAN ROOM. SO. PROVIDE NEW NOTIFICATION APPLIANCE CIRCUIT PANELS (WITH SMOKE DETECTOR WITHIN 5') WITH BATTERIES WHERE REQUIRED TO ACCOMMODATE NEW NOTIFICATION DEVICES. LOCATE SAID NAC PANEL IN A STORAGE OR ELEC/MECH ROOM, AND WIRE TO NEAREST AVAILABLE PANELBOARD WITH (2) #12, #12 GND. IN 3/4" CONDUIT. FOR PRICING PURPOSES, ASSUME 150' PER CIRCUIT. PROVIDE 20/1 CIRCUIT BREAKER AS REQUIRED.
- FIRE ALARM SPACING SHALL COMPLY WITH NFPA 72 REQUIREMENTS. ALL FIRE ALARM INITIATION DEVICES SHOWN SHALL NOT BE LOCATED IN DIRECT AIRFLOW PATH OR CLOSER THAN 3' OF AN AIR SUPPLY DIFFUSER OR RETURN AIR OPENING.
- THE OPERABLE PART OF PULL STATIONS SHALL BE MOUNTED MORE THAN 3'-6" BUT LESS THAN 4'-0" ABOVE FINISHED FLOOR.
- FOR PUBLIC MODE, WALL MOUNTED VISUALS AND AUDIBLE/VISUALS SHALL BE MOUNTED SUCH THAT THE ENTIRE LENS IS NOT LESS THAN 80" AND NOT GREATER THAN 96" ABOVE FINISHED FLOOR.
- THE MINIMUM REQUIRED CANDELA LEVEL IS INDICATED ADJACENT TO NEW VISUAL DEVICES. IF NOT INDICATED, MINIMUM ALLOWABLE SETTING IS 15 CANDELA.
- ACTIVATION OF BUILDING FIRE ALARM SYSTEM SHALL AUTOMATICALLY SHUT DOWN ALL FANS ASSOCIATED WITH HVAC UNITS IN THE BUILDING AS REQUIRED BY LOCAL, STATE, AND NATIONAL CODES. PROVIDE FIRE ALARM SHUT DOWN RELAYS IN EACH UNIT.
- FINAL TESTING OF FIRE ALARM SYSTEM SHALL COMPLY WITH ALL NFPA 72 REQUIREMENTS. ANY ALTERED CIRCUIT(S) SHALL HAVE ALL FIRE ALARM INITIATION DEVICES TESTED IN THEIR ENTIRETY AND 10% OF NEIGHBORING ZONE/LOOP DEVICES.
- PROVIDE 8" ROUND, FLUSH MOUNTED, WHITE CEILING SPEAKERS WHERE SHOWN. NEW SPEAKERS SHALL BE CONNECTED TO AND COMPATIBLE WITH EXISTING BUILDING PUBLIC ADDRESS SYSTEM. EXPAND EXISTING SYSTEM WITH ADDITIONAL AMPLIFIERS AS REQUIRED AT HEAD END LOCATION FOR A COMPLETE OPERATIONAL SYSTEM. COORDINATE EXACT REQUIREMENTS WITH OWNER.
- ALL CABLING ABOVE ACCESSIBLE CEILINGS SHALL BE SUPPORTED VIA J-HOOK. J-HOOKS SHALL NOT EXCEED 5'-0" SPACING. ALL CABLING ABOVE INACCESSIBLE SPACES AND CEILINGS OPEN TO STRUCTURE SHALL BE IN CONDUIT.
- ALL EXPOSED RACEWAY SHALL BE PAINTED TO MATCH CEILING/WALL FINISH. CONTRACTOR SHALL USE APPROVED PAINT COLOR/TYPE.
- NEW CARBON MONOXIDE DETECTORS SHALL BE ADDRESSABLE AND BE CONNECTED TO THE BUILDING FIRE ALARM SYSTEM.

KEY NOTES:

- IN DESIGNATED CEILING REPLACEMENT AREA, ELECTRICAL CONTRACTOR SHALL REINSTALL SALVAGED CEILING MOUNTED ELECTRICAL DEVICES SHOWN. RECONNECT EXISTING CABLING AND BRANCH CIRCUIT WIRING LEFT FROM DEMOLITION.
- EXISTING CEILING MOUNTED SYSTEM AND POWER DEVICES SHOWN IN THIS AREA ARE SHOWN FOR REFERENCE PURPOSES ONLY. SHOULD CEILING TILE BE REQUIRED TO BE REMOVED AS NOTED IN DEMOLITION DRAWING KEY NOTES, THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO TEMPORARILY SUPPORT OR REMOVE/REINSTALL THE EQUIPMENT.
- INSTALL SERVICE RECEPTACLE FOR NEW HVAC EQUIPMENT. COORDINATE EXACT LOCATION IN FIELD TO MEET NEC 210.63. WIRE RECEPTACLES TOGETHER WITH (2) #12, #12 G. IN 1/2" CONDUIT AND WIRE TO PANEL P-11, CIRCUIT 26.
- WIRE NEW FAN COIL UNIT TO BRANCH CIRCUIT WIRING LEFT FROM DEMOLITION OF HVAC UNIT. SPlice AND EXTEND EXISTING CIRCUIT AS REQUIRED WITH (2) #12, #12 GND. IN 1/2" CONDUIT TO REACH TERMINATION POINT OF NEW UNIT.
- LOCATE REMOTE TEST SWITCHES FOR ROOFTOP UNIT DUCT SMOKE DETECTOR IN ACCESSIBLE SPACE BELOW UNIT. RECESS MOUNT IN DROP CEILING TILE OR WALL MOUNT IN JANITOR CLOSET/STORAGE ROOM TYPE SPACE. LABEL SWITCHES WITH UNIT NAME AND SUPPLY/RETURN DESIGNATION.
- PROVIDE DUCT SMOKE DETECTOR AND FIRE ALARM RELAY TO SIGNAL MECHANICAL SMOKE DAMPER. PROVIDE 120V BRANCH CIRCUIT TO DAMPER ACTUATOR FROM NEAREST 120V RECEPTACLE CIRCUIT. WIRE WITH (2) #12, #12 GND. IN 1/2" CONDUIT.
- LOCATE REMOTE TEST SWITCH FOR DUCT SMOKE DETECTOR BELOW UNIT. RECESSED IN CEILING TILE.



1 **THIRD FLOOR POWER AND SYSTEMS PLAN - AREA D**
E203D 1/8" = 1'-0"

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HMS
E203D

